

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	4239-66649-03
	Application Number	10570220
	Filing Date	Herewith
	First Named Inventor	Kashmiri
	Art Unit	
	Examiner Name	

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		4,816,567	28 March 1989	Cabilly <i>et al.</i>
		5,472,693	5 Dec 1995	Gourlie <i>et al.</i>
		5,482,040	9 Jan 1996	Martin, Jr.
		5,512,443	30 April 1996	Schlom <i>et al.</i>
		5,534,254	9 July 1996	Huston <i>et al.</i>
		5,585,089	17 Dec 1996	Queen <i>et al.</i>
		5,688,657	18 Nov 1997	Tsang <i>et al.</i>
		5,976,531	2 Nov 1999	Mezes <i>et al.</i>
		5,976,845	2 Nov 1999	Mezes <i>et al.</i>
		5,994,511	30 Nov 1999	Lowman <i>et al.</i>
		6,054,297	25 April 2000	Carter <i>et al.</i>
		6,180,370	30 Jan 2001	Queen <i>et al.</i>
		6,333,405	25 Dec 2001	Anderson <i>et al.</i>
		6,495,137	17 Dec 2002	Mezes <i>et al.</i>

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		ABERGEL <i>et al.</i> , "Crystallographic Studies and Primary Structure of the Antitumor Monoclonal CC49 Fab'," <i>Proteins: Structure, Function, and Genetics</i> 17:438-443, 1993.
		BERZOFSKY <i>et al.</i> , p. 242, <i>Fundamental Immunology</i> , Paul (Ed.) Raven Press, NY, 1993
		COLCHER <i>et al.</i> , "Radioimmunolocalization of Human Carcinoma Xenografts with B72.3 Second Generation Monoclonal Antibodies," <i>Cancer Research</i> 48:4597-4603, 1988.
		De PASCALIS <i>et al.</i> , "Generation of minimally immunogenic high affinity variants of humanized anti-carcinoma antibody HuCC49V10 by in vitro affinity maturation," <i>Proceedings of the American Association for Cancer Research</i> , 44(2):1115-1116, 2003.
		De PASCALIS <i>et al.</i> , "In Vitro Affinity Maturation of a Specificity-Determining Region-Grafted Humanized Anticarcinoma Antibody: Isolation and Characterization of Minimally Immunogenic High-Affinity Variants," <i>Clinical Cancer Research</i> , 9:5521-5531, 2003.
		DIVGI <i>et al.</i> , "Clinical Comparison of Radiolocalization of Two Monoclonal Antibodies (mAbs) Against the TAG-72 Antigen," <i>Nucl. Med. Biol.</i> 21(1):9-15, 1994.
		GONZALES <i>et al.</i> , "Minimizing immunogenicity of the SDR-grafted humanized antibody CC49 by genetic manipulation of the framework residues," <i>Molecular Immunology</i> , 40(6):337-349, 2003.
		GONZALES <i>et al.</i> , "Reducing the potential immunogenicity of humanized CC49 by genetic manipulation of framework residues," <i>Proceedings of the American Association for Cancer Research</i> , 44:1118, 2003.
		HAKIMI <i>et al.</i> , "Reduced immunogenicity and improved pharmacokinetics of humanized anti-Tac in cynomolgus monkeys," <i>J. Immunol.</i> 147:1352-1359, 1991.
		HAND <i>et al.</i> , "Potential for Recombinant Immunoglobulin Constructs in the Management of Carcinoma," <i>Cancer Supplement</i> 73(3):1105-1113, 1994.
		IWAHASHI <i>et al.</i> , "CDR Substitutions of a Humanized Monoclonal Antibody (CC49): Contributions of Individual CDRs to Antigen Binding and Immunogenicity," <i>Molecular Immunology</i> 36:1079-1091, 1999.
		JOHNSON <i>et al.</i> , "Analysis of a Human Tumor-associated Glycoprotein (TAG-72) Identified by Monoclonal Antibody B72.3," <i>Cancer Research</i> 46:850-857, 1986.
		JONES <i>et al.</i> , "Replacing the Complementarity-determining Regions in a Human Antibody with those from a Mouse," <i>Nature</i> 321:522-525, 1986.

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Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		KASHMIRI <i>et al.</i> , Chapter 21 in <i>Methods in Molecular Biology, Vol. 248: Antibody Engineering: Methods and Protocols</i> , p. 361-376; Lo (ed.), Humana Press, Inc., Tolowa, NJ, 2003
		KASHMIRI <i>et al.</i> , "Development of a minimally immunogenic variant of humanized anti-carcinoma monoclonal antibody CC49," <i>Crit. Rev. Oncol. Hematol.</i> 38:3-16, 2001.
		KASHMIRI <i>et al.</i> , "Generation, Characterization, and <i>in Vivo</i> Studies of Humanized Anticarcinoma Antibody CC49," <i>Hybridoma</i> 14(5):461-473, 1995.
		KASHMIRI <i>et al.</i> , "SDR grafting – a new approach to antibody humanization," <i>Methods</i> , 36:25-34, 2005
		MULLIGAN <i>et al.</i> , "Phase I Study of Intravenous ¹⁷⁷ Lu-labeled CC49 Murine Monoclonal Antibody in Patients with Advanced Adenocarcinoma," <i>Clinical Cancer Research</i> 1:1447-1454, 1995.
		MURARO <i>et al.</i> , "Generation and Characterization of B72.3 Second Generation Monoclonal Antibodies Reactive with the Tumor-associated Glycoprotein 72 Antigen," <i>Cancer Research</i> 48:4588-4596, 1988.
		PADLAN, "A Possible Procedure for Reducing the Immunogenicity of Antibody Variable Domains while Preserving their Ligand-binding Properties," <i>Molecular Immunology</i> 28(4/5):489-498, 1991.
		PADLAN, "Anatomy of the antibody molecule," <i>Mol. Immunol.</i> 31:169-217, 1994.
		PADLAN <i>et al.</i> , "Identification of Specificity-determining Residues in Antibodies," <i>The FASEB Journal</i> 9:133-139, 1995.
		RIECHMAN <i>et al.</i> , "Reshaping human antibodies for therapy," <i>Nature (London)</i> 332:323-327, 1988.
		RIXON <i>et al.</i> , "Preferential Use of a H Chain V Region in Antitumor-associated Glycoprotein-72 Monoclonal Antibodies," <i>The Journal of Immunology</i> 151(11):6559-6568, 1993.
		RUDIKOFF <i>et al.</i> , "Single amino acid substitution altering antigen-binding specificity," <i>PNAS</i> 79(6):1979-1983, 1982
		SALDANHA <i>et al.</i> , "A single backmutation in the human kIV framework of a previously unsuccessfully humanized antibody restores the binding activity and increases the secretion in cos cells," <i>Mol. Immunol.</i> 36:709-719, 1999.

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	SCHIER <i>et al.</i> , "Isolation of picomolar affinity anti-c-erbB-2 single-chain Fv by molecular evolution of the complementarity determining regions in the center of the antibody binding site," <i>J. Mol. Biol.</i> 263:551-567, 1996.
	SHA <i>et al.</i> , "A Heavy-chain Grafted Antibody that Recognizes the Tumor-associated TAG72 Antigen," <i>Cancer Biotherapy</i> 9(4):341-349, 1994.
	SHARKEY <i>et al.</i> , "Evaluation of a complementarity-determining region-grafted (humanized) anti-carcinoembryonic antigen monoclonal antibody in preclinical and clinical studies," <i>Cancer Res.</i> 55:5935s-5945s, 1995.
	SLAVIN-CHIORINI <i>et al.</i> , "A CDR-grafted (humanized) domain-deleted antitumor antibody," <i>Cancer Biother. Radiopharm.</i> 12:305-316, 1997.
	SLAVIN-CHIORINI <i>et al.</i> , "Biological Properties of Chimeric Domain-deleted Anticarcinoma Immunoglobulins," <i>Cancer Research (Supplement)</i> 55:5957s-5967s, 1995.
	TAMURA <i>et al.</i> , "Structural Correlates of an Anticarcinoma Antibody: Identification of Specificity-determining Residues (SDRs) and Development of a Minimally Immunogenic Antibody Variant by Retention of SDRs Only," <i>Journal of Immunology</i> 164(3):1432-1441, 2000.
	WU <i>et al.</i> , "Humanization of a murine monoclonal antibody by simultaneous optimization of framework and CDR residues," <i>J. Mol. Biol.</i> 294:151-162, 1999.
	XIANG <i>et al.</i> , "The Tyrosine Residue at Position 97 in the V _H CDR3 Region of a Mouse/Human Chimeric Anti-Colorectal Carcinoma Antibody Contributes Hydrogen Bonding to the TAG72 Antigen," <i>Cancer Biotherapy</i> 8(3):253-262, 1993.
	XIANG <i>et al.</i> , "Complementarity Determining Region Residues Aspartic Acid at H55, Serine at H95 and Tyrosines at H97 and L96 Play Important Roles in the B72.3 Antibody-TAG72 Antigen Interaction," <i>Protein Engineering</i> 9(6):539-543, 1996.
	XIANG <i>et al.</i> , "Light-chain framework region residue Tyr71 of chimeric B72.3 antibody plays an important role in influencing the TAG72 antigen binding," <i>Protein Eng.</i> 12:417-421, 1999.
	International Search Report issued on April 15, 2005, for PCT Patent Application No. PCT/US2004/028004.

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